

LA-UR-21-23211

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Title: Diagnosing Inertial Confinement Fusion through Gamma Rays

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Intended for: ANSE Lightning Talks

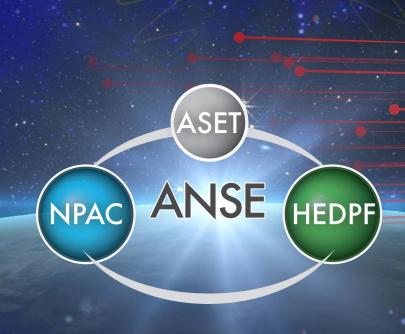
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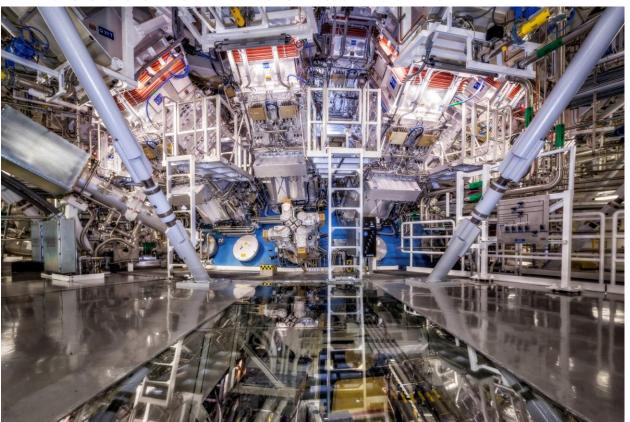


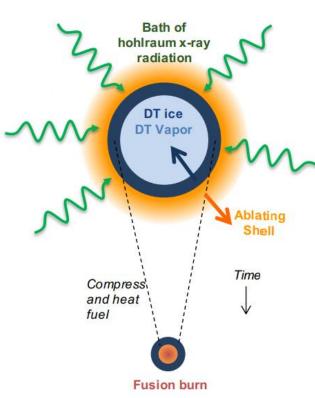
Kevin Meaney, Los Alamos, P-4

April 6th, 2021

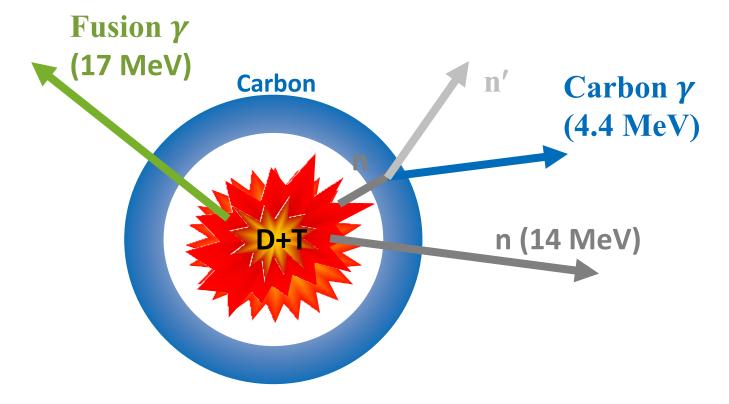


Improving inertial confinement fusion platforms expand access to hot dense matter



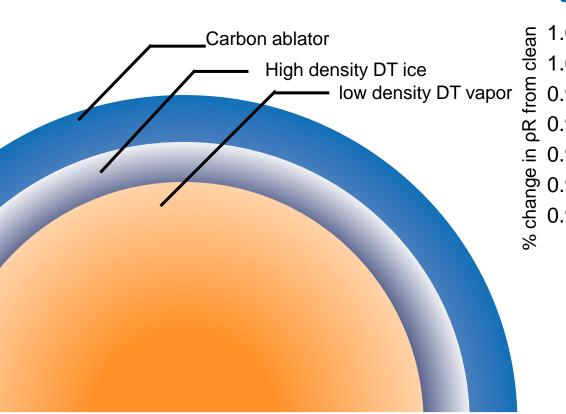


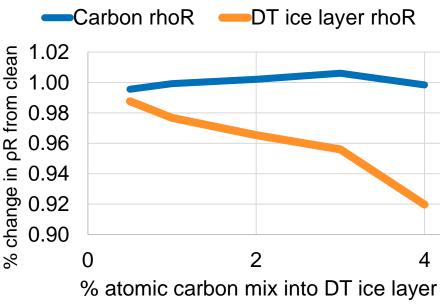
Gamma rays give unique insight into capsule performance





Carbon gamma rays reveal the compression of the capsule is degraded





Precise timing of the carbon gamma rays reveal capsules have a small amount of alpha heating

Shell moving inward at bangtime



